

GROUND-WATER LEVELS

COLUMBUS COUNTY

341237078534213. County number, CO-102; DENR Clarendon Research Station well DD42n4.

LOCATION.--Lat 34°12'39.3", long 78°53'46.0", North American Datum of 1983, Hydrologic Unit 03040203, 3.1 mi west of Clarendon on Secondary Road 1314. Owner: DENR (North Carolina Department of Environment and Natural Resources).

AQUIFER.--Peedee aquifer of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled observation well, depth 248 ft, diameter 4 in. to 228 ft, diameter 2.5 in. from 196 to 248 ft, screened interval from 238 to 248 ft.

INSTRUMENTATION.--Water-level recorder collecting data at 60-minute intervals.

DATUM.--Land-surface datum is 106.8 ft above NGVD of 1929 (levels by DENR). Measuring point: Top of instrument shelf, 2.23 ft above land-surface datum (since July 2001).

REMARKS.--Well is part of southern Coastal Plain ground-water level monitoring study. Well redeveloped by injecting air into well on September 6, 2001.

PERIOD OF RECORD.--July 1976 to current year. Water levels measured periodically since July 1976. Continuous record began July 2001.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 51.76 ft below land-surface datum, July 15, 1976; lowest water level recorded, 64.80 ft below land-surface datum, Sept. 29, 30, 2002.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	63.14	---	---	63.59	63.45	63.46	63.37	63.62	63.79	64.19	64.51	64.63
2	63.16	---	---	63.59	63.48	63.38	63.39	63.62	63.80	64.21	64.53	64.62
3	63.18	---	---	63.46	63.48	63.21	63.39	63.65	63.84	64.21	64.56	64.64
4	63.20	---	---	63.49	63.46	63.26	63.41	63.67	---	64.22	64.57	64.65
5	63.20	---	---	63.50	63.51	63.31	63.42	63.68	63.91	64.24	64.57	64.66
6	63.20	---	---	63.40	63.50	63.32	63.43	63.69	63.91	64.25	64.57	64.68
7	63.20	---	---	63.39	63.36	63.31	63.46	63.69	63.91	64.28	64.60	64.70
8	63.24	---	---	63.43	63.39	63.32	63.47	63.69	63.93	64.30	64.63	64.71
9	63.27	---	---	63.43	63.41	63.32	63.47	63.70	63.94	64.32	64.65	64.69
10	63.27	---	---	63.42	63.39	63.31	63.47	63.71	63.95	64.32	64.67	64.66
11	63.27	---	---	63.42	63.38	63.33	63.47	63.65	63.96	64.31	64.68	64.68
12	63.27	---	---	63.42	63.40	63.31	63.48	63.62	---	64.33	64.69	64.72
13	63.27	---	---	63.37	63.41	63.24	63.48	63.60	---	64.33	64.70	64.73
14	63.27	---	---	63.39	---	63.28	63.48	63.60	63.98	64.32	64.71	64.70
15	63.28	---	---	63.37	63.44	63.29	63.48	63.65	63.98	64.32	64.73	64.67
16	63.28	---	---	63.39	63.41	63.30	63.50	63.67	64.00	64.33	64.75	64.65
17	63.29	---	---	63.38	63.41	63.31	63.50	63.66	64.03	64.35	64.74	64.66
18	63.31	---	---	63.38	63.45	63.31	63.51	63.64	64.07	64.37	64.69	64.67
19	63.32	---	---	63.37	63.46	63.33	63.51	63.65	64.11	64.38	64.68	64.65
20	63.32	---	---	63.39	63.44	63.31	63.51	63.67	64.14	64.40	64.68	64.66
21	63.32	---	---	63.39	63.36	63.29	63.51	63.69	64.15	64.43	64.70	64.66
22	63.32	---	---	63.42	63.37	63.32	63.52	63.71	64.12	64.45	64.72	64.67
23	63.32	---	---	63.41	63.38	63.34	63.56	63.71	64.05	64.44	64.72	---
24	---	---	---	63.38	63.40	63.34	63.59	63.71	64.06	64.44	64.72	64.77
25	---	---	---	63.40	63.41	63.34	63.57	63.73	64.07	64.45	64.73	64.78
26	---	---	---	63.43	63.38	63.35	63.59	63.75	64.09	64.45	64.72	64.77
27	---	---	63.55	63.44	63.38	63.33	63.61	63.77	64.10	64.46	64.72	64.76
28	---	---	63.55	63.43	63.43	63.37	63.59	63.78	64.11	64.48	64.70	64.77
29	---	---	63.55	63.43	---	63.37	63.58	63.79	64.15	64.49	64.66	64.79
30	---	---	63.59	63.44	---	63.37	63.63	63.79	64.18	64.50	64.64	64.80
31	---	---	63.59	63.46	---	63.37	---	63.79	---	64.51	64.64	---

WTR YR 2002 MEAN 63.84 HIGH 63.14 LOW 64.80

COLUMBUS COUNTY--Continued

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